

### **ABSTRACT OF THE DISCLOSURE**

A controller fault recovery system recovers from faults that cause unscheduled stops for a distributed file system operating on an array storage system having multiple controllers. A proxy arrangement protects data integrity in the event of an unscheduled stop on just one controller in  
5 the array storage system. An atomic data/parity update arrangement protects data integrity in the event of an unscheduled stop of more than one controller.